Farm Navigator

Road Navigator

GSM / GPRS Telephone

Hardware

- Dimensions: 133.6 mm x 83.4 mm x 28.6 mm
- Weight: 280 g
- Display: 4.8” 16/9 LCD TFT Touch screen
- Resolution: 480x272
- Display brightness: 350 cd/m2
- Display colours: 65K
- Internal Memory: 128MBytes NAND + 64MBytes DRAM
- Memory Support: card preloaded with navigation software and maps
- GPS receiver: Built-in U-Blox LEA5 1Hz + external U-Blox LEA5 4 Hz, WAAS/EGNOS DGPS enabled
- GSM, GPRS*
- Processor: Freescale IMx31 - ARM11 520MHz
- Battery: Li-Ion Polymer 1600mAhAbout 4h autonomy
- 2 speakers
- Self-powered car support
- Audio output for earphones
- Master/slave USB port
- SD Slot
- SIM slot*
- Bluetooth for hands-free calls**

Software

Farm Navigation

- Parallel guidance with straight guidelines, contour or round and round.
- Spray boom virtual switch command
- Field perimeter and field area measurement
- Jobs and fields database in Google Earth™ format
- Obstacles and Soil sample positioning

Road Navigation

- 2D view, 3D view, Night vision
- Turn-by-turn vocal instructions with text-to-speech
- Post code search
- Lat Lon search
- Routing Options: fastest, shortest, avoiding toll roads, walkways, ferry routes, u turns, highways, unpaved roads, built-up areas etc.
- ‘Drive me Home’ quick command
- Stop planner
- Trip Computer

Mobile phone*

Triband GSM phone, messaging, address book, hand free calls

Special Functions and Multimedia

- Plays images, videos and mp3
- Built-in breath analyzer
- Digital DVBT TV*

Maps

Tele Atlas high coverage maps of Europe

Tele Atlas Maps

* Only in the G6 Connect Farmnavigator version.
** Only in the G6 Farmnavigator version

G6 Farmnavigator Versions:

G6 Farmnavigator

- Farmnavigation
- Road navigation
- Bluetooth for hands-free calls
- Alcohol tester

G6 Connect Farmnavigator

- Farmnavigation
- Road navigation
- Alcohol tester
- GSM / GPRS Mobile phone
- Compatible with Geolink Fleet management software
- Digital DVBT TV

Accessories:

Waterproof GPS antenna (included)

The waterproof GPS antenna works in any environment. A high-quality solution for rooftop stationary application, WAAS/ EGNOS DGPS enabled.

AvMap USB Rear View Camera (optional)

The Camera, useful for road navigation and farming operations, utilizes G6 Farmnavigator as display.

Protective rubber frame (included):

It protects the navigator’s frame against bumping and scratches.

Optional Software

• Vehicle management software • Other applications on request

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The most complete GPS solution for intelligent agriculture, made affordable for any agricultural enterprise.

G6 Farmnavigator is born from the partnership between AvMap, the Italian leader in GPS navigation since 1994 and Satconsystem, the specialist in high-tech tools for the agriculture. That’s why G6Farmnavigator is the most complete GPS solution.

Virtual Control of spray booms

- The virtual bar on the map shows which sections need to be switched off in case of overlapping.
- Customize the virtual bar with the exact length number of sections and nozzles.
- The virtual control of the spray can be used to control sprayers but also other tools such as spreaders and planters that work in a similar way.

Parallel Guidance

- Set the guiding lines and the working width to get parallel navigation guidance
- Choose among 4 different types of guide lines: straight parallel, Contour, Round and Round, existing tramlines.

Fields Database

- Fields are saved into a database with the information about shape, perimeter, area, obstacles, worked area, work time, and statistics.
- You can export the fields database in Google Earth™ and print the fields maps.

AvMap SATELLITE NAVIGATION

www.farmnavigator.com

satcon system

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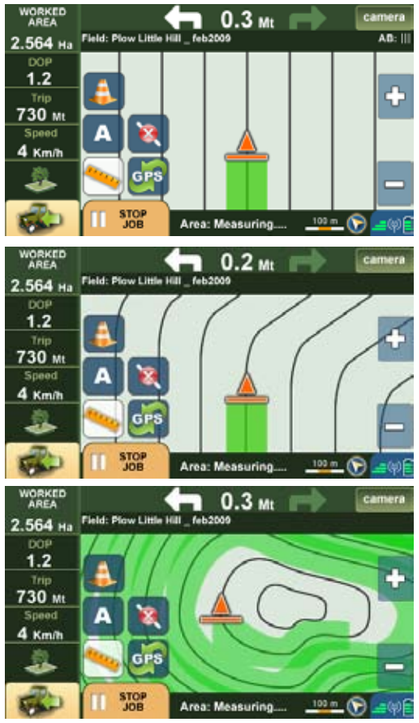
Farm Navigation

Setting guiding lines

You can easily set the guiding lines for your operations choosing in the settings among parallel, contour guidelines or existing tramlines.



Parallel

In the Parallel mode, G6 Farmnavigator creates parallel tramlines on the screen along which you can drive. Press A to start and B to end: on the display the AB segment will be traced together with its parallel segments.

Contour

In the Contour mode, you can create the first tramline in a curved field by pressing A to start and B to end. This tramline will be replicated over the whole field.

Round and round

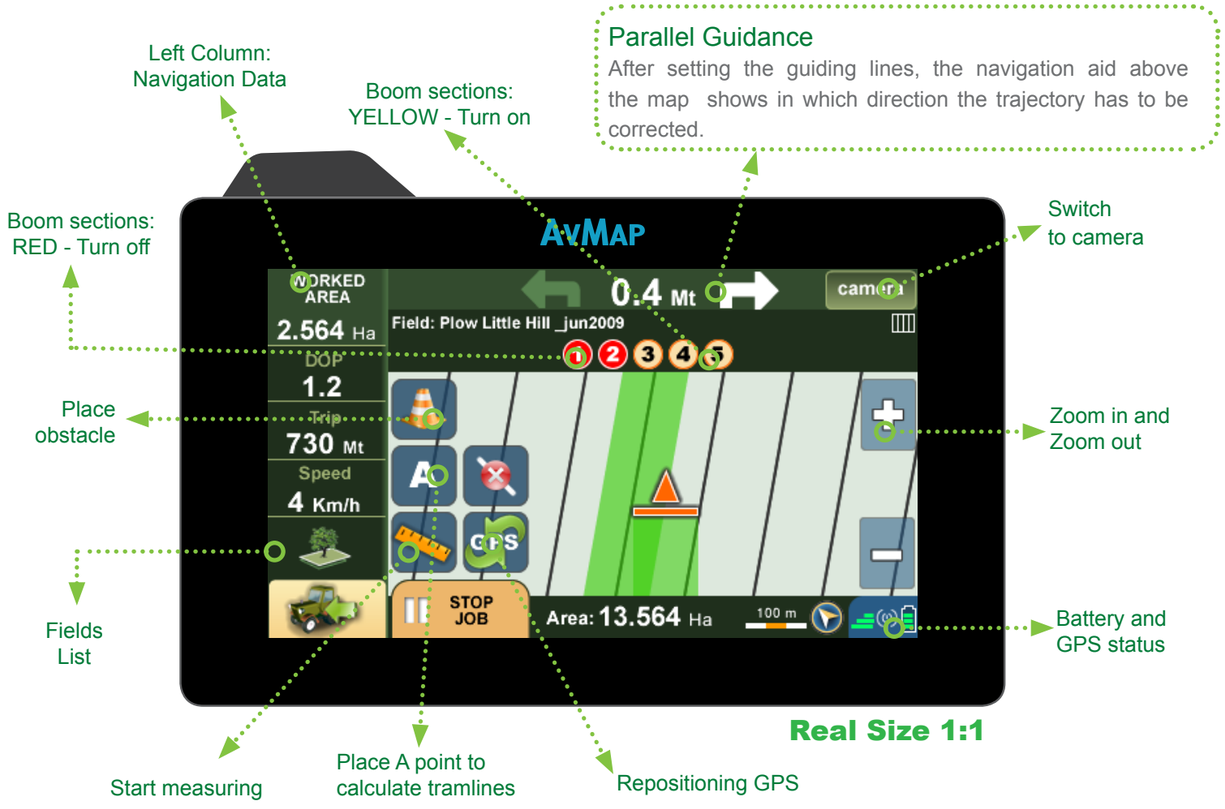
Setting the round around guiding lines you can create concentric lines starting from the field's perimeter. Press A, then start driving along the perimeter and press B when it is completed: the software will replicate it drawing concentric lines up to the center of the field.

Tramlines

This Option is used to work in fields where tram lines already have been made (e.g. vineyards).

Parallel Guidance

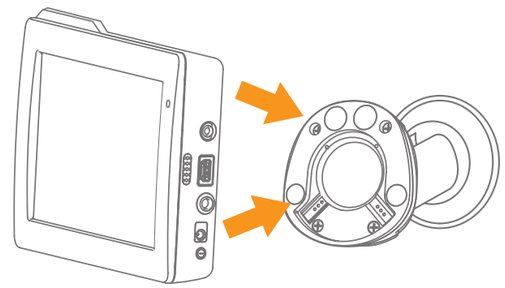
After setting the guiding lines, the navigation aid above the map shows in which direction the trajectory has to be corrected.



All-in one and portable:

Special magnetic dock

G6 Farmnavigator works on every field and can be used in different vehicles; it is very practical to remove it as it is 100% portable. The smart magnetic mount makes it easy to plug it, with no need for cables as the dock station is powered.



Extra mounts can be purchased as spare parts.

Virtual spray boom commander

G6 Farmnavigator shows the area that has already been treated and thanks to the virtual spray boom commander it helps you saving chemical products, reducing costs and improving productivity. You can customize the spraying bar setting the number of sections, their length and the number of booms for each section. During the navigation the virtual spray boom control will show which spray boom section has to be switched off to avoid overlapping. If the spraying bar is passing over and area that has already been treated, the section will be highlighted in red on the screen to warn you to switch it off, and it will go back to yellow when it will exit the treated area, meaning it can be opened again. These warnings are very useful when making a U turn or when trying to avoid an obstacle. The Virtual Boom section commander works in parallel, contour and Tramline mode!

Save your fields and view them on Google Earth

When you start a new work on the field, all its data (perimeter, area, treated area, obstacles, timing, maximum DOP and maximum speed) will be saved in a database. The work can be paused and restarted at any moment. You can see a data sheet for each field and you can export the database to Google Earth and print it.

Rear view camera

The G6 Farmnavigator can be connected to an USB Rear View Camera. No need for extra displays as the camera uses the 4.8" display of G6 Farmnavigator

If you need to check the functioning of the machine or to view behind a trailor just click on the touch screen the Camera button and the live video will appear on the display.

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